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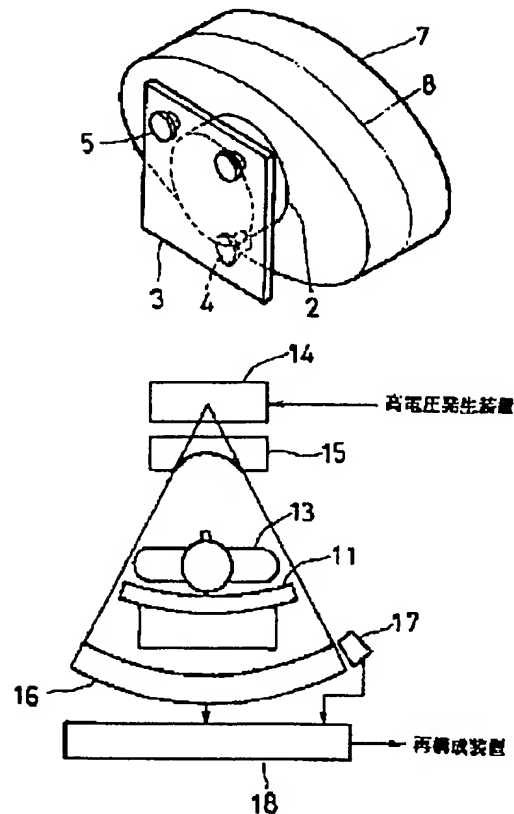
APPLICATION DATE : 20-12-93
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TITLE : X-RAY CT DEVICE, AND PHANTOM
FOR X-RAY CT DEVICE



ABSTRACT : PURPOSE: To collect a precise calibration data by constituting a phantom as a flat sectional cylinder having a smooth circumference in a X-ray CT device in which measurement data is corrected on the basis of calibration data to provide a CT image.

CONSTITUTION: In an X-ray CT device for collecting the X-ray emitted from an X-ray tube 14 and transmitted by a subject 13 by an X-ray detector 16, and transmitting the detection data to a data collecting part 18 together with the output data of a referencer detector 17, this device is provided with a phantom to collect the calibration data prior to the photographing of the subject 13. This phantom is formed of a body 7 having an elliptic sectional columnar structure, and internally filled with water, a fixing base 3, and a connecting part 2, whereby the phantom X-ray is emitted to collect the calibration data. The measurement data obtained by the X-ray detector 16 is corrected on the basis of this calibration data, and the resulting data is reconfigured to provide a CT image.

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